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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference						
044988-030-5490	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/mon	th/year) Priority date (day/month/year)				
PCT/US03/19905	26 June 2003 (26.06.2003)	01 July 2002 (01.07.2002)				
International Patent Classification (IPC)	or national classification and IPC					
IPC(7): G01N 33/48 and US Cl.: 702/19	·					
Applicant						
3-DIMENSIONAL PHARMACEUTICA	LS, INC.					
Examining Authority and i	ary examination report has been s transmitted to the applicant accarded a total of sheets, including the					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of sheets.						
3. This report contains indications relating to the following items:						
I Basis of the report						
II Priority						
III Non-establishment of report with regard to novelty, inventive step and industrial applicability						
IV Lack of unity of invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
Costant observations on the international application						
Data of submission and 1						
Date of submission of the demand	Date of	completion of this report				
21 January 2004 (21.01.2004)	26 July 2	2004 (26.07.2004)				
Name and mailing address of the IPEA/US	Authoriz	ed officer				
Commissioner for Patents	Mail Stop PCT, Attn: IPEA/US Commissioner for Patents Authorized officer					
P.O. Box 1450 Alexandria, Virginia 223 13-1450		(Joe) Zhou F. Roberts for				
Facsimile No. (703) 872-9306	Telephor	ne No. (571) 272-1600				

Form PCT/IPEA/409 (cover sheet)(July 1998)



International application	ı No.
PCT/HS03/19905	

I.	Bas	is of the report
1.	With	a regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	\boxtimes	the description:
ļ		pages 1-15 as originally filed
		pages NONE , filed with the demand
ŀ		pages NONE , filed with the letter of
ł	\boxtimes	the claims:
		pages 16 and 17, as originally filed
		pages NONE, as amended (together with any statement) under Article 19
		pages NONE , filed with the demand pages NONE , filed with the letter of .
	∇	the drawings:
		pages 1-8, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description:
		pages NONE, as originally filed
		pages NONE , filed with the demand
		pages NONE, filed with the letter of
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
	Iango Thes	page in which the international application was filed, unless otherwise indicated under this item. e elements were available or furnished to this Authority in the following language which is:
	\sqcup	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3.	With inten	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.	\boxtimes	The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/ fig NONE
5. [This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
* R	eplace	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
this	repon	t as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). placement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)



International application No. PCT/US03/19905

1. STATEMENT			
Novelty (N)	Claims	1-12	YES
• .	Claims	NONE	NO
Inventive Step (IS)	Claims	1-12	YES
	Claims	NONE	NO
Industrial Applicability (IA)	Claims	1-12	YES
•	Claims	NONE	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-12 meet the criteria set out in PCT Article 33(2)-(3) because the prior art does not teach or fairly suggest the claimed methods of generationg atomic coordinates from a set of interatomic distance and volume constraints involving both the distance and volume constraints. The claimed inventions are not disclosed or derivable in an obvious manner form these documents. Hence claims 1-12 are considered to involve an inventiove step in the sense of PCT Article 33(3).

Claims 1-12 meet the criteria set out in PCT Article 33(4) because the claimed methods are useful in the design of drug candidates and thus are useful in the pharmaceutical industry.

Form PCT/IPEA/409 (Box V) (July 1998)